

MGL-21.5KVA-208.3P-DSN60-120-5XL5-30R

21.5KVA Power Distribution - 208V to 208Y/120V 3PH - (6) L5-30R - 20' #8 Type W Cord

Product ID: 223181

Please see last page for supporting documentation for this product(certificates, CAD files & drawings, IES files, wiring diagrams, etc).



Larson Electronics LLC manufactures a wide variety of products, including custom built to spec designs. The pictures displayed for this unit are a general representation of form factor for the product line and may not accurately represent this exact configuration in every detail due to custom builds and changes between similar products in our standard catalog. The specifics for this configuration are listed in the specification table and supporting documentation (CAD files, Dimensional Drawing, Name Plate Diagram, Wiring Diagram, etc.). This means that specific details (receptacles, plugs, wires, connections, mounting brackets, external finishes, etc.) may not be accurately represented in images vs specifications. Please review specifications and do not order based solely on images.

MGL-21.5KVA-208.3P-DSN60-120-5XL5-30R -Temporary Power Distribution

Line In: 20' #8 Type W Cord

Line-in Cord Cap: (1) 60A 63-68073 [250V Rated], (1) 50A 713P0DP3 [600V Rated]

Primary Voltage: 208VAC, 3PH

Primary Disconnect: 60A 250V 3PH N3R Fused @ 60A

Primary Protection: Disconnect, Time Delay Fuses

Transformer: 21.5KVA 208V to 208Y/120V 3PH 60Hz N3R

Secondary Voltage: 208Y/120VAC, 3PH

Secondary Panel: 100A 208Y/120V 3PH MLO N3R

Secondary Breakers: (6) 30A 1P [125V]

Secondary Outlets: (6) 30A L5-30R [125V]

Secondary Protection: Circuit Breakers, Weatherproof Covers

Form Factor: Powder Coated Steel Dolly Cart w/ Backplate

Dimensions: W-40" X D-40" X H-48"

Weight: 350 lbs

Larson Electronics manufacture a wide variety of custom power distribution systems. The pictures displayed for this unit are a general representation of form factor and may not accurately represent this exact configuration in every detail due to being custom builds. The specifics for this configuration are listed in the specification table and one-line diagram.

Ratings

Max Primary OCP: 60A @ 208V

Max Secondary Output: 60A @ 208V

UL 1640 Portable Power-Distribution Equipment

NEMA 3R Indoor or Outdoor Use

Made in the USA

Special Orders - Special Requirements

Contact us for special requirements

Toll Free: 1-800-369-6671

Intl: 1-903-270-1187

Fax: 1-903-498-3364

E-mail: sales@larsonelectronics.com

All grounding shall comply with state and local codes and meet the minimum requirements of the National Electronic Code section 250

This unit is Made In USA - Manufactured in Texas

The Larson Electronics MGL-21.5KVA-208.3P-DSN60-120-5XL5-30R

temporary power distribution system converts three-phase 208VAC electrical current into three-phase 208Y/120VAC. This unit provides operators the ability to safely tap into and distribute 208VAC power from a variety of sources including generators and direct grid power.

****PLEASE NOTE: ANY FREE SHIPPING OFFERS DO NOT APPLY TO POWER DISTRIBUTION PANELS, TRANSFORMERS, OR SUBSTATIONS****

Portable Power Distribution Purpose and Use: The MGL-21.5KVA-208.3P-DSN60-120-5XL5-30R portable power distribution system gives operators the ability to power their 120 volt equipment from a single system. On the primary side, operators connect 208V using a 20' #8 Type W cord with 63-68073 and 713P0DP3 cord caps. On the secondary side, operators connect to six L5-30R receptacles for 120V equipment. All receptacles are equipped with weatherproof covers.

Operation: A 20' #8 Type W cord with 60-amp 250V rated 63-68073 and 50-amp 600V rated 713P0DP3 cord caps bring three-phase 208V power to the NEMA 3R 60-amp 250V three phase primary disconnect, which contains three 60-amp time delay fuses, and passes power through to the transformer. The NEMA 3R 21.5KVA transformer converts three-phase 208V to three-phase 208Y/120V 60 Hz and passes the current to the secondary side. The secondary side of the transformer feeds a NEMA 3R 100-amp three-phase 208Y/120V main lug only panel. This secondary side contains six 30-amp 1-pole 125V breakers, protecting six 30-amp 125V L5-30R receptacles.



[Click Photo to Enlarge](#)



[Click Photo to Enlarge](#)

Protective Construction: The transformer and load center/distribution assembly is mounted to a standard steel cart style frame resulting in an extremely stable, durable, and mobile power distribution platform. A cart style mounting platform provides easier substation mobility, and a center point lift eye allows easy lifting with cable or chain hooks. This temporary power distribution solution can be modified to meet the needs of job-site receptacle requirements. Units are available up to 150kva and can be equipped with skids or trailer mounted.

Certification: Larson Electronics is a UL 1640 panel shop and certified to build portable power distribution systems. All units are built in accordance to NFPA 70 (National Electric Code) and certified to UL 1640. All equipment is NEMA 3R rated for indoor and outdoor use and provide a degree of protection against dirt, water, and ice. NEMA 4 and NEMA 4X equipment can be equipped upon request.

Grounding: Transformer is grounded to the frame and we provide a grounding lug on the frame for the earth ground.

~Please check all motor loads for dual rated motors that will work 208 or 240.~

Applications: This power distribution system is NEMA 3R rated and ideal for indoor/outdoor use and applications including but not limited to; construction sites, plant maintenance, plant turnarounds, shows, exhibits and shipyard operations.

Larson Electronics is a manufacturer and as such can build portable transformer systems to your specifications. Although we carry several models of power distribution transformers, we can deliver custom ordered units almost as quickly as our prebuilt units. If this model does not meet your needs, please contact us at 1-800-369-6671 or sales@larsonelectronics.com to discuss your specific requirements.

Frequently Asked Questions (FAQ)









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Product ID: 223181

Harmonized System (HS) Code: 8504.21.0040

Export Control Classification Number (ECCN): EAR99

Links (Click on the below items to view):

- [ANSI Certificate 1](#)
- [Canadian CEC Certificate \(Commonly referred to as CSA Certificate\)](#)
- [CE Certificate](#)
- [Certificate 1, Misc](#)
- [Certificate 2, Misc](#)
- [Certificate 5, Misc](#)
- [Dimensional Drawing 2D](#)
- [MSDS \(Material Safety Data Sheet\)](#)
- [Operations Manual](#)
- [RoHS Certificate \(Restriction of Hazardous Substances\)](#)
- [USA NEC Certificate \(Commonly referred to as UL Certificate\)](#)
- [Wiring Diagram \(Online\)](#)
- [HigResPic1](#)
- [HigResPic2](#)
- [HigResPic3](#)
- [HigResPic4](#)
- [HigResPic5](#)
- [HigResPic6](#)
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